

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/066,810C  
Source: JFW16  
Date Processed by STIC: 08/19/2005

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 08/19/2005

PATENT APPLICATION: US/10/066,810C

TIME: 15:06:28

Input Set : A:\38187.txt

Output Set: N:\CRF4\08182005\J066810C.raw

3 <110> APPLICANT: MANDELKOW ET AL.

5 <120> TITLE OF INVENTION: NOVEL TOOLS FOR THE DIAGNOSIS AND TREATMENT OF ALZHEIMER'S DISEASE

7 <130> FILE REFERENCE: 28384/38187

C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/066,810C

C--> 9 <141> CURRENT FILING DATE: 2002-02-04

9 <150> PRIOR APPLICATION NUMBER: US 10/066,810

10 <151> PRIOR FILING DATE: 2002-02-04

12 <150> PRIOR APPLICATION NUMBER: US 09/640,737

13 <151> PRIOR FILING DATE: 2000-08-17

15 <150> PRIOR APPLICATION NUMBER: US 08/244,603

16 <151> PRIOR FILING DATE: 1994-06-03

18 <160> NUMBER OF SEQ ID NOS: 38

20 <170> SOFTWARE: PatentIn version 3.1

22 <210> SEQ ID NO: 1

23 <211> LENGTH: 441

24 <212> TYPE: PRT

25 <213> ORGANISM: Homo sapiens

28 <400> SEQUENCE: 1

30 Met Ala Glu Pro Arg Gln Glu Phe Glu Val Met Glu Asp His Ala Gly

31 1 5 10 15

34 Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His

35 20 25 30

38 Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu

39 35 40 45

42 Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser

43 50 55 60

46 Asp Ala Lys Ser Thr Pro Thr Ala Glu Asp Val Thr Ala Pro Leu Val

47 65 70 75 80

50 Asp Glu Gly Ala Pro Gly Lys Gln Ala Ala Ala Gln Pro His Thr Glu

51 85 90 95

54 Ile Pro Glu Gly Thr Thr Ala Glu Glu Ala Gly Ile Gly Asp Thr Pro

55 100 105 110

58 Ser Leu Glu Asp Glu Ala Ala Gly His Val Thr Gln Ala Arg Met Val

59 115 120 125

62 Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp Asp Lys Lys Ala Lys Gly

63 130 135 140

66 Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro Arg Gly Ala Ala Pro Pro

67 145 150 155 160

70 Gly Gln Lys Gly Gln Ala Asn Ala Thr Arg Ile Pro Ala Lys Thr Pro

71 165 170 175

74 Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly Glu Pro Pro Lys Ser Gly

75 180 185 190

78 Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr Pro Gly Ser

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79          195          200          205
82 Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro Pro Thr Arg Glu Pro Lys
83          210          215          220
86 Lys Val Ala Val Val Arg Thr Pro Pro Lys Ser Pro Ser Ser Ala Lys
87 225          230          235          240
90 Ser Arg Leu Gln Thr Ala Pro Val Pro Met Pro Asp Leu Lys Asn Val
91          245          250          255
94 Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly
95          260          265          270
98 Gly Lys Val Gln Ile Ile Asn Lys Lys Leu Asp Leu Ser Asn Val Gln
99          275          280          285
102 Ser Lys Cys Gly Ser Lys Asp Asn Ile Lys His Val Pro Gly Gly Gly
103          290          295          300
106 Ser Val Gln Ile Val Tyr Lys Pro Val Asp Leu Ser Lys Val Thr Ser
107 305          310          315          320
110 Lys Cys Gly Ser Leu Gly Asn Ile His His Lys Pro Gly Gly Gly Gln
111          325          330          335
114 Val Glu Val Lys Ser Glu Lys Leu Asp Phe Lys Asp Arg Val Gln Ser
115          340          345          350
118 Lys Ile Gly Ser Leu Asp Asn Ile Thr His Val Pro Gly Gly Gly Asn
119          355          360          365
122 Lys Lys Ile Glu Thr His Lys Leu Thr Phe Arg Glu Asn Ala Lys Ala
123          370          375          380
126 Lys Thr Asp His Gly Ala Glu Ile Val Tyr Lys Ser Pro Val Val Ser
127 385          390          395          400
130 Gly Asp Thr Ser Pro Arg His Leu Ser Asn Val Ser Ser Thr Gly Ser
131          405          410          415
134 Ile Asp Met Val Asp Ser Pro Gln Leu Ala Thr Leu Ala Asp Glu Val
135          420          425          430
138 Ser Ala Ser Leu Ala Lys Gln Gly Leu
139          435          440
142 <210> SEQ ID NO: 2
143 <211> LENGTH: 6
144 <212> TYPE: PRT
145 <213> ORGANISM: Artificial sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Synthetic peptide
150 <400> SEQUENCE: 2
152 Lys Glu Ser Pro Leu Gln
153 1          5
156 <210> SEQ ID NO: 3
157 <211> LENGTH: 7
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Synthetic peptide
164 <400> SEQUENCE: 3
166 Tyr Ser Ser Pro Gly Ser Pro
167 1          5

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172 <213> ORGANISM: Artificial sequence  
174 <220> FEATURE:  
175 <223> OTHER INFORMATION: Synthetic peptide  
177 <400> SEQUENCE: 4  
179 Pro Gly Ser Pro Gly Thr  
180 1 5  
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184 <211> LENGTH: 12  
185 <212> TYPE: PRT  
186 <213> ORGANISM: Artificial sequence  
188 <220> FEATURE:  
189 <223> OTHER INFORMATION: Synthetic peptide  
191 <400> SEQUENCE: 5  
193 Tyr Ser Ser Pro Gly Ser Pro Gly Thr Pro Gly Ser  
194 1 5 10  
197 <210> SEQ ID NO: 6  
198 <211> LENGTH: 6  
199 <212> TYPE: PRT  
200 <213> ORGANISM: Artificial sequence  
202 <220> FEATURE:  
203 <223> OTHER INFORMATION: Synthetic peptide  
205 <400> SEQUENCE: 6  
207 Pro Lys Ser Pro Ser Ser  
208 1 5  
211 <210> SEQ ID NO: 7  
212 <211> LENGTH: 7  
213 <212> TYPE: PRT  
214 <213> ORGANISM: Artificial sequence  
216 <220> FEATURE:  
217 <223> OTHER INFORMATION: Synthetic peptide  
219 <400> SEQUENCE: 7  
221 Tyr Lys Ser Pro Val Val Ser  
222 1 5  
225 <210> SEQ ID NO: 8  
226 <211> LENGTH: 7  
227 <212> TYPE: PRT  
228 <213> ORGANISM: Artificial sequence  
230 <220> FEATURE:  
231 <223> OTHER INFORMATION: Synthetic peptide  
233 <400> SEQUENCE: 8  
235 Gly Asp Thr Ser Pro Arg His  
236 1 5  
239 <210> SEQ ID NO: 9  
240 <211> LENGTH: 7  
241 <212> TYPE: PRT  
242 <213> ORGANISM: Artificial sequence

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244 <220> FEATURE:  
245 <223> OTHER INFORMATION: Synthetic peptide  
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249 Met Val Asp Ser Pro Gln Leu  
250 1 5  
253 <210> SEQ ID NO: 10  
254 <211> LENGTH: 7  
255 <212> TYPE: PRT  
256 <213> ORGANISM: Artificial sequence  
258 <220> FEATURE:  
259 <223> OTHER INFORMATION: Synthetic peptide  
261 <400> SEQUENCE: 10  
263 Pro Leu Gln Thr Pro Thr Glu  
264 1 5  
267 <210> SEQ ID NO: 11  
268 <211> LENGTH: 12  
269 <212> TYPE: PRT  
270 <213> ORGANISM: Artificial sequence  
272 <220> FEATURE:  
273 <223> OTHER INFORMATION: Synthetic peptide  
275 <400> SEQUENCE: 11  
277 Leu Lys Glu Ser Pro Leu Gln Thr Pro Thr Glu Asp  
278 1 5 10  
281 <210> SEQ ID NO: 12  
282 <211> LENGTH: 7  
283 <212> TYPE: PRT  
284 <213> ORGANISM: Artificial sequence  
286 <220> FEATURE:  
287 <223> OTHER INFORMATION: Synthetic peptide  
289 <400> SEQUENCE: 12  
291 Ala Lys Ser Thr Pro Thr Ala  
292 1 5  
295 <210> SEQ ID NO: 13  
296 <211> LENGTH: 7  
297 <212> TYPE: PRT  
298 <213> ORGANISM: Artificial sequence  
300 <220> FEATURE:  
301 <223> OTHER INFORMATION: Synthetic peptide  
303 <400> SEQUENCE: 13  
305 Ile Gly Asp Thr Pro Ser Leu  
306 1 5  
309 <210> SEQ ID NO: 14  
310 <211> LENGTH: 8  
311 <212> TYPE: PRT  
312 <213> ORGANISM: Artificial sequence  
314 <220> FEATURE:  
315 <223> OTHER INFORMATION: Synthetic peptide  
317 <400> SEQUENCE: 14  
319 Lys Ile Ala Thr Pro Arg Gly Ala

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325 <212> TYPE: PRT
326 <213> ORGANISM: Artificial sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Synthetic peptide
331 <400> SEQUENCE: 15
333 Pro Ala Lys Thr Pro Pro Ala
334 1          5
336 <210> SEQ ID NO: 16
337 <211> LENGTH: 7
338 <212> TYPE: PRT
339 <213> ORGANISM: Artificial sequence
341 <220> FEATURE:
342 <223> OTHER INFORMATION: Synthetic peptide
344 <400> SEQUENCE: 16
346 Ala Pro Lys Thr Pro Pro Ser
347 1          5
350 <210> SEQ ID NO: 17
351 <211> LENGTH: 13
352 <212> TYPE: PRT
353 <213> ORGANISM: Artificial sequence
355 <220> FEATURE:
356 <223> OTHER INFORMATION: Synthetic peptide
358 <400> SEQUENCE: 17
360 Pro Ala Lys Thr Pro Pro Ala Pro Lys Thr Pro Pro Ser
361 1          5          10
364 <210> SEQ ID NO: 18
365 <211> LENGTH: 7
366 <212> TYPE: PRT
367 <213> ORGANISM: Artificial sequence
369 <220> FEATURE:
370 <223> OTHER INFORMATION: Synthetic peptide
372 <400> SEQUENCE: 18
374 Ser Pro Gly Thr Pro Gly Ser
375 1          5
378 <210> SEQ ID NO: 19
379 <211> LENGTH: 7
380 <212> TYPE: PRT
381 <213> ORGANISM: Artificial sequence
383 <220> FEATURE:
384 <223> OTHER INFORMATION: Synthetic peptide
386 <400> SEQUENCE: 19
388 Arg Ser Arg Thr Pro Ser Leu
389 1          5
391 <210> SEQ ID NO: 20
392 <211> LENGTH: 7
393 <212> TYPE: PRT

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**VERIFICATION SUMMARY**

DATE: 08/19/2005

PATENT APPLICATION: US/10/066,810C

TIME: 15:06:29

Input Set : A:\38187.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date.